

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/580,660  
Source: IFWP  
Date Processed by STIC: 06/07/2006

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 06/07/2006

PATENT APPLICATION: US/10/580,660

TIME: 11:06:46

Input Set : F:\DEBE066US1.TXT

Output Set: N:\CRF4\06072006\J580660.raw

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3 <110> APPLICANT: HOFMEISTER, ROBERT ET AL.
5 <120> TITLE OF INVENTION: Compositions comprising polypeptides
7 <130> FILE REFERENCE: DEBE:066US
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/580,660
C--> 10 <141> CURRENT FILING DATE: 2006-05-26
12 <150> PRIOR APPLICATION NUMBER: PCT/EP 2004/013445
13 <151> PRIOR FILING DATE: 2004-11-26
15 <150> PRIOR APPLICATION NUMBER: EP 03 027 511.9
16 <151> PRIOR FILING DATE: 2003-11-28
18 <160> NUMBER OF SEQ ID NOS: 6
20 <170> SOFTWARE: PatentIn version 3.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 504
25 <212> TYPE: PRT
26 <213> ORGANISM: artificial sequence
28 <220> FEATURE:
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39 Gly Asp Ser Tyr Leu Asn Trp Tyr Gln Gln Ile Pro Gly Gln Pro Pro
40 35 40 45
42 Lys Leu Leu Ile Tyr Asp Ala Ser Asn Leu Val Ser Gly Ile Pro Pro
43 50 55 60
45 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His
46 65 70 75 80
48 Pro Val Glu Lys Val Asp Ala Ala Thr Tyr His Cys Gln Gln Ser Thr
49 85 90 95
51 Glu Asp Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Gly
52 100 105 110
54 Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Val
55 115 120 125
57 Gln Leu Gln Gln Ser Gly Ala Glu Leu Val Arg Pro Gly Ser Ser Val
58 130 135 140
60 Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ala Phe Ser Ser Tyr Trp Met
61 145 150 155 160
63 Asn Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly Gln
64 165 170 175
66 Ile Trp Pro Gly Asp Gly Asp Thr Asn Tyr Asn Gly Lys Phe Lys Gly
67 180 185 190
69 Lys Ala Thr Leu Thr Ala Asp Glu Ser Ser Ser Thr Ala Tyr Met Gln

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73          210          215          220
75 Arg Glu Thr Thr Thr Val Gly Arg Tyr Tyr Tyr Ala Met Asp Tyr Trp
76 225          230          235          240
78 Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Asp
79          245          250          255
81 Ile Lys Leu Gln Gln Ser Gly Ala Glu Leu Ala Arg Pro Gly Ala Ser
82          260          265          270
84 Val Lys Met Ser Cys Lys Thr Ser Gly Tyr Thr Phe Thr Arg Tyr Thr
85          275          280          285
87 Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly
88          290          295          300
90 Tyr Ile Asn Pro Ser Arg Gly Tyr Thr Asn Tyr Asn Gln Lys Phe Lys
91 305          310          315          320
93 Asp Lys Ala Thr Leu Thr Thr Asp Lys Ser Ser Ser Thr Ala Tyr Met
94          325          330          335
96 Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys Ala
97          340          345          350
99 Arg Tyr Tyr Asp Asp His Tyr Cys Leu Asp Tyr Trp Gly Gln Gly Thr
100          355          360          365
102 Thr Leu Thr Val Ser Ser Val Glu Gly Gly Ser Gly Gly Ser Gly Gly
103          370          375          380
105 Ser Gly Gly Ser Gly Gly Val Asp Asp Ile Gln Leu Thr Gln Ser Pro
106 385          390          395          400
108 Ala Ile Met Ser Ala Ser Pro Gly Glu Lys Val Thr Met Thr Cys Arg
109          405          410          415
111 Ala Ser Ser Ser Val Ser Tyr Met Asn Trp Tyr Gln Gln Lys Ser Gly
112          420          425          430
114 Thr Ser Pro Lys Arg Trp Ile Tyr Asp Thr Ser Lys Val Ala Ser Gly
115          435          440          445
117 Val Pro Tyr Arg Phe Ser Gly Ser Gly Ser Gly Thr Ser Tyr Ser Leu
118          450          455          460
120 Thr Ile Ser Ser Met Glu Ala Glu Asp Ala Ala Thr Tyr Tyr Cys Gln
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| 145 |     |     | 20  |     |     |     | 25  |     |     |     | 30  |     |     |     |     |     |
| 147 | Trp | Met | Asn | Trp | Val | Lys | Gln | Arg | Pro | Gly | Gln | Gly | Leu | Glu | Trp | Ile |
| 148 |     |     | 35  |     |     |     | 40  |     |     |     |     |     | 45  |     |     |     |
| 150 | Gly | Gln | Ile | Trp | Pro | Gly | Asp | Gly | Asp | Thr | Asn | Tyr | Asn | Gly | Lys | Phe |
| 151 |     | 50  |     |     |     |     | 55  |     |     |     | 60  |     |     |     |     |     |
| 153 | Lys | Gly | Lys | Ala | Thr | Leu | Thr | Ala | Asp | Glu | Ser | Ser | Ser | Thr | Ala | Tyr |
| 154 | 65  |     |     |     |     | 70  |     |     |     | 75  |     |     |     |     | 80  |     |
| 156 | Met | Gln | Leu | Ser | Ser | Leu | Ala | Ser | Glu | Asp | Ser | Ala | Val | Tyr | Phe | Cys |
| 157 |     |     |     | 85  |     |     |     |     | 90  |     |     |     |     | 95  |     |     |
| 159 | Ala | Arg | Arg | Glu | Thr | Thr | Thr | Val | Gly | Arg | Tyr | Tyr | Tyr | Ala | Met | Asp |
| 160 |     |     | 100 |     |     |     |     |     | 105 |     |     |     |     | 110 |     |     |
| 162 | Tyr | Trp | Gly | Gln | Gly | Thr | Thr | Val | Thr | Val | Ser | Ser | Gly | Gly | Gly | Gly |
| 163 |     |     | 115 |     |     |     | 120 |     |     |     |     |     | 125 |     |     |     |
| 165 | Ser | Gly | Gly | Gly | Gly | Ser | Gly | Gly | Gly | Gly | Ser | Asp | Ile | Gln | Leu | Thr |
| 166 |     | 130 |     |     |     | 135 |     |     |     |     | 140 |     |     |     |     |     |
| 168 | Gln | Ser | Pro | Ala | Ser | Leu | Ala | Val | Ser | Leu | Gly | Gln | Arg | Ala | Thr | Ile |
| 169 | 145 |     |     |     |     | 150 |     |     |     |     | 155 |     |     |     | 160 |     |
| 171 | Ser | Cys | Lys | Ala | Ser | Gln | Ser | Val | Asp | Tyr | Asp | Gly | Asp | Ser | Tyr | Leu |
| 172 |     |     |     | 165 |     |     |     |     | 170 |     |     |     |     | 175 |     |     |
| 174 | Asn | Trp | Tyr | Gln | Gln | Ile | Pro | Gly | Gln | Pro | Pro | Lys | Leu | Leu | Ile | Tyr |
| 175 |     |     | 180 |     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |
| 177 | Asp | Ala | Ser | Asn | Leu | Val | Ser | Gly | Ile | Pro | Pro | Arg | Phe | Ser | Gly | Ser |
| 178 |     | 195 |     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     |
| 180 | Gly | Ser | Gly | Thr | Asp | Phe | Thr | Leu | Asn | Ile | His | Pro | Val | Glu | Lys | Val |
| 181 |     | 210 |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     |     |
| 183 | Asp | Ala | Ala | Thr | Tyr | His | Cys | Gln | Gln | Ser | Thr | Glu | Asp | Pro | Trp | Thr |
| 184 | 225 |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |     |
| 186 | Phe | Gly | Gly | Gly | Thr | Lys | Leu | Glu | Ile | Lys | Ser | Gly | Gly | Gly | Gly | Ser |
| 187 |     |     | 245 |     |     |     |     |     | 250 |     |     |     | 255 |     |     |     |
| 189 | Asp | Ile | Lys | Leu | Gln | Gln | Ser | Gly | Ala | Glu | Leu | Ala | Arg | Pro | Gly | Ala |
| 190 |     |     | 260 |     |     |     | 265 |     |     |     |     | 270 |     |     |     |     |
| 192 | Ser | Val | Lys | Met | Ser | Cys | Lys | Thr | Ser | Gly | Tyr | Thr | Phe | Thr | Arg | Tyr |
| 193 |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |     |     |     |     |
| 195 | Thr | Met | His | Trp | Val | Lys | Gln | Arg | Pro | Gly | Gln | Gly | Leu | Glu | Trp | Ile |
| 196 |     | 290 |     |     |     | 295 |     |     |     |     | 300 |     |     |     |     |     |
| 198 | Gly | Tyr | Ile | Asn | Pro | Ser | Arg | Gly | Tyr | Thr | Asn | Tyr | Asn | Gln | Lys | Phe |
| 199 | 305 |     |     |     | 310 |     |     |     | 315 |     |     |     |     | 320 |     |     |
| 201 | Lys | Asp | Lys | Ala | Thr | Leu | Thr | Thr | Asp | Lys | Ser | Ser | Ser | Thr | Ala | Tyr |
| 202 |     |     | 325 |     |     |     |     |     | 330 |     |     |     |     | 335 |     |     |
| 204 | Met | Gln | Leu | Ser | Ser | Leu | Thr | Ser | Glu | Asp | Ser | Ala | Val | Tyr | Tyr | Cys |
| 205 |     |     | 340 |     |     |     |     | 345 |     |     |     | 350 |     |     |     |     |
| 207 | Ala | Arg | Tyr | Tyr | Asp | Asp | His | Tyr | Cys | Leu | Asp | Tyr | Trp | Gly | Gln | Gly |
| 208 |     | 355 |     |     |     | 360 |     |     |     |     | 365 |     |     |     |     |     |
| 210 | Thr | Thr | Leu | Thr | Val | Ser | Ser | Val | Glu | Gly | Gly | Ser | Gly | Gly | Ser | Gly |
| 211 |     | 370 |     |     |     | 375 |     |     |     |     | 380 |     |     |     |     |     |
| 213 | Gly | Ser | Gly | Gly | Ser | Gly | Gly | Val | Asp | Asp | Ile | Gln | Leu | Thr | Gln | Ser |
| 214 | 385 |     |     |     | 390 |     |     |     |     | 395 |     |     |     | 400 |     |     |
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| 217 |     |     | 405 |     |     |     |     | 410 |     |     |     |     | 415 |     |     |     |

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219 Arg Ala Ser Ser Ser Val Ser Tyr Met Asn Trp Tyr Gln Gln Lys Ser
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222 Gly Thr Ser Pro Lys Arg Trp Ile Tyr Asp Thr Ser Lys Val Ala Ser
223           435           440           445
225 Gly Val Pro Tyr Arg Phe Ser Gly Ser Gly Ser Gly Thr Ser Tyr Ser
226           450           455           460
228 Leu Thr Ile Ser Ser Met Glu Ala Glu Asp Ala Ala Thr Tyr Tyr Cys
229 465           470           475           480
231 Gln Gln Trp Ser Ser Asn Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu
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254 Thr Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
255           35           40           45
257 Gly Tyr Ile Asn Pro Ser Arg Gly Tyr Thr Asn Tyr Asn Gln Lys Phe
258 50           55           60
260 Lys Asp Lys Ala Thr Leu Thr Thr Asp Lys Ser Ser Thr Ala Tyr
261 65           70           75           80
263 Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
264           85           90           95
266 Ala Arg Tyr Tyr Asp Asp His Tyr Cys Leu Asp Tyr Trp Gly Gln Gly
267           100          105          110
269 Thr Thr Leu Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
270           115          120          125
272 Ser Gly Gly Gly Gly Ser Asp Ile Gln Leu Thr Gln Ser Pro Ala Ile
273           130          135          140
275 Met Ser Ala Ser Pro Gly Glu Lys Val Thr Met Thr Cys Arg Ala Ser
276 145           150          155          160
278 Ser Ser Val Ser Tyr Met Asn Trp Tyr Gln Gln Lys Ser Gly Thr Ser
279           165          170          175
281 Pro Lys Arg Trp Ile Tyr Asp Thr Ser Lys Val Ala Ser Gly Val Pro
282           180          185          190
284 Tyr Arg Phe Ser Gly Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile
285           195          200          205
287 Ser Ser Met Glu Ala Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp
288           210          215          220
290 Ser Ser Asn Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
291 225           230          235          240

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293 Ser Gly Gly Gly Gly Ser Gln Val Gln Leu Gln Gln Ser Gly Ala Glu
294                245                250                255
296 Leu Val Arg Pro Gly Ser Ser Val Lys Ile Ser Cys Lys Ala Ser Gly
297                260                265                270
299 Tyr Ala Phe Ser Ser Tyr Trp Met Asn Trp Val Lys Gln Arg Pro Gly
300                275                280                285
302 Gln Gly Leu Glu Trp Ile Gly Gln Ile Trp Pro Gly Asp Gly Asp Thr
303                290                295                300
305 Asn Tyr Asn Gly Lys Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Glu
306 305                310                315                320
308 Ser Ser Ser Thr Ala Tyr Met Gln Leu Ser Ser Leu Ala Ser Glu Asp
309                325                330                335
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315                355                360                365
317 Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
318                370                375                380
320 Ser Asp Ile Gln Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu
321 385                390                395                400
323 Gly Gln Arg Ala Thr Ile Ser Cys Lys Ala Ser Gln Ser Val Asp Tyr
324                405                410                415
326 Asp Gly Asp Ser Tyr Leu Asn Trp Tyr Gln Gln Ile Pro Gly Gln Pro
327                420                425                430
329 Pro Lys Leu Leu Ile Tyr Asp Ala Ser Asn Leu Val Ser Gly Ile Pro
330                435                440                445
332 Pro Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile
333                450                455                460
335 His Pro Val Glu Lys Val Asp Ala Ala Thr Tyr His Cys Gln Gln Ser
336 465                470                475                480
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361 Thr Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
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**VERIFICATION SUMMARY**

DATE: 06/07/2006

PATENT APPLICATION: US/10/580,660

TIME: 11:06:47

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date